BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS OF ROADS AND DRAINS AT HEGADE NAGARA SURROUNDING AREA IN WARD NO.06

								Estimate Cost Rs.	5000000.00	
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1)								
	Hegade Nagar	Cum							
	11th Cross Road (E/S & W/S)		2	230.00	1.00	1.00	460.00		
	10th Cross Road (West Side)		1	108.00	1.00	0.90	97.20		
	Culvert (desilt)		3	8.00	0.60	1.00	14.40		
							571.60	86.92	**49683.47**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1			**571.60**	100.00	**57160.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRB 4-1.3: **Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement** @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Hegade Nagar	Cum							
	11th Cross Road (E/S & W/S)		2	230.00	1.00	0.15	69.00		
	10th Cross Road (West Side)		1	108.00	1.00	0.15	16.20		
							85.20	5159.02	**439548.50**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							

l. o.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
4	KSRB 4.9.2:Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It.No.4.46.2 **(rates effects from 01-07-2017)**								
		tonne	No.of Bars	Width/Lengt	Rmtr	Kg/Rmtr	Total in Kg		
	10mm dia main bar spacing at 150mm c/c	4	1533	1.95	11960.00	0.617	7379.32		
	8mm dia dist bar spacing at 150mm c/c	4	13	230.00	11960.00	0.395	4724.20		
	10mm dia main bar spacing at 150mm c/c	2	720	1.95	2808.00	0.617	1732.54		
	8mm dia dist bar spacing at 150mm c/c	2	13	108.00	2808.00	0.395	1109.16		
						in Kg	14945.22		
						in Qtl	149.4522		
						in tonne	**14.9452**	64243.42	**960131.79**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 (P.15 / I.4.31)								
	Hegade Nagar	Sqm							
	11th Cross Road (E/S & W/S)		2x4	230.00		0.60	1104.00		
	10th Cross Road (West Side)		2x2	108.00		0.60	259.20		
							1363.20	310.58	**423382.66**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
6	Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.69cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1,4.6 (P.No.13/ I.No.4.11)								
		Cum							
	bed		2	230.00	1.00	0.15	69.00		
			1	108.00	1.00	0.15	16.20		
	Side wall		4	230.00	0.15	0.60	82.80		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			2	100.00	0.15	0.60	18.00		
	ng to existing culvert		6	8.00	0.60	0.10	2.88		
							187.68	6371.66	**1195833.15**
	Basic Rate	6011.00					190.32		1212654.33
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
7	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Hegade Nagar	Sqm							
	11th Cross Road (E/S & W/S)		2	230.00	0.90		414.00		
	10th Cross Road (West Side)		1	100.00	0.90		90.00	97.20	
	Opp to Sai Hospital		1	80.00	1.20		96.00		
							600.00	2100.00	**1260000.00**
	Data Rate	**2100.00**					607.20		1275120.00
8	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
		Sqm							
			18	1.80	0.60		19.44		
							19.44	4402.79	**85590.24**
	Data Rate	**4402.79**							450327.00
							Sub-Total Amount (A)		**4503984.00**
9	10% for KRIDL Charges (including GST charges)						450327.10		**450398.40**
10	1% for Labour Cess Charges						45032.71		**45039.84**
11	Miscellaneous and unforeseen charges						1369.00		**578.00**
							Grand Total Amount		**5000000.00**
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.06

Assistant Executive Engineer
Byatarayanapura Sub-Division
B.B.M.P

Executive Engineer 11/12
Byatarayanapura Division
B.B.M.P

ADMINISTRATIVE APPROVAL
Accorded For Rs. Fifty lakhs only
Head of A/c P-1878
Div. Ref. No. 62/17-18 Date 11/12/17
11/12
AE
EE(BTP) 11/12

Technical Sanction
Accorded For 50.00 lakh Rs
Head of A/C P1878
CER NO : 430 Dt:. 11/12/17
TA CE (YNK)